

Translation of Decision of Rejection

Text:

The present application is unpatentable.

Grounds:

Section 20 (2) of the Patent Law

Reason:

1. The present application relates to an "image display apparatus, and a method and apparatus for manufacturing the same". The image display apparatus has a housing having a front surface panel and a rear surface panel, which are opposed to each other and sealed at their peripheral portions. The sealed portions are sealed by a sealing member, which is conductive and melts by applying a current. At the time of manufacturing, a current is applied to the sealing member provided on portions to be sealed and thereby the sealing member is melted. Thereafter, the current is stopped and the sealing member is cooled and solidified, and thereby the peripheral portions of the front surface panel and the rear surface panel are sealed.

2. The main feature of the present application is that the sealed portions

between the front surface panel and the rear surface panel are sealed by the sealing member which is conductive and melts by applying a current. However, USP 5, 827, 102 (as shown in the attached document) published on October 27, 1998 discloses a vacuuming and sealing method in a field emission display, wherein a conductive sealing member formed of indium or indium alloy is provided between its front surface panel and rear surface panel. The structure disclosed in USP 5, 827, 102 has the same function as that of the present invention. The present invention simply uses the prior art, and is different from the prior art only in heating the sealing member by applying a current, and thus has no inventive step.

3. Taking the above into consideration, the present invention is regarded as being easily accomplished by one skilled in the art by applying the prior art before the present application was filed, and thus fails to satisfy the requirements for patentability.

4. Attached Document: US 5827102

By the above, the present application has been concluded as failing to satisfy the requirements for patentability according to Section 20 (2) of the Patent Law.

If the applicant has an objection to the decision, the applicant can request reexamination of the present application within 30 days of the day after receiving this notice, by filing two copies of a request for reexamination and the Official fee of NT \$ 6000 (with respect to applications whose total number of pages of the specification and drawings is 50 or more, NT \$ 500 is added per 50 extra pages, an application less than 50 pages is counted as 50 pages) with the Patent Office.

正本

經濟部智慧財產局專利核駁審定書

受文者：東芝股份有限公司（代理人：林志剛先生）

地址：臺北市中山區南京東路二段一二五號七樓

發文日期：中華民國九十二年五月二十六日

發文字號：（九二）智專二（一）04084字

第〇九二〇五一六三六〇號

一、申請案號數：〇九一一〇八三六九

專利分類IPC(7)：... H01J 1/00

二、發明名稱：畫像顯示裝置，畫像顯示裝置的製造方法及製造裝置

三、申請人：

名稱：東芝股份有限公司

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五、申請日期：九十一年四月二十三日

六、優先權項目：

1 2001/04/23 日本2001-124685

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c:\A9200170.643

3 2001/10/15 日本 2001-316921

4 2001/10/23 日本 2001-325370

5 2001/10/29 日本 2001-331234

2 2001/08/27 日本 2001-256313

七、審查人員姓名：陳基發 委員

八、審定內容：

主文：本案應不予專利。

依據：專利法第二十條第二項。

理由：

(一) 本案「畫像顯示裝置、畫像顯示裝置的製造方法及製造裝置」揭示一種畫像顯示裝置，其具備有外圍器，該外圍器具有相向配置且邊緣被密封的正面及背面基板，其中之密封部使用具有導電性且藉由通電而溶解的密封構件被密封。

(二) 本案之主要特徵為在正面和背面基板間的密封部係使用具有導電性且藉由通電加熱溶解的密封構件被密封，查一九九八年十月二十七日公告之美國專利案編號五八二七一〇二號案即揭示一種場發射顯示裝置之抽真空及密封方法，其在正面和背面板之間置放例如鈹或鈹合金之導電性密封材料，利用加熱而密封，具有與本案相同之功能。本案僅是藉由通電而將密封材料加熱，其為簡單之習知技術應用，不具進步性。



中華民國八十二年六月三日

裝

訂

線

(三) 綜上所述，本案係運用申請前既有之技術，而為熟習該項技術者所能輕易完成者，難謂符合發明專利要件。

(四) 檢附引證資料：US 5827102號。

據上論結，本案不符法定專利要件，爰依專利法第二十條第二項，審定如主文。

局長 蔡練生

依照分層負責規定授權單位主管執行

如不服本審定，得於文到之次日起三十日內，備具再審查理由書一式二份及規費新台幣陸仟元整（專利說明書及圖式合計在五十頁以上者，每五十頁加收新台幣五百元，其不足五十頁者以五十頁計），向本局申請再審查。